Proposed SCM for Automotive Coatings

Public Workshop
October 5, 2005
Sacramento

California Environmental Protection Agency

Air Resources Board

California Air Resources Board (ARB)

Public Workshop on the Proposed Suggested Control Measure for Automotive Coatings

October 5, 2005
1:00 p.m. to 3:00 p.m. (PST)
California Air Resources Board
Byron Sher Auditorium
Sacramento, California

AGENDA

1. Introductions

2. Backgroud

3. ARB Staff Presentation (Proposed SCM)

4. Questions/Open Discussion

Overview

- **Introduction**
- **Background**
- **Proposed SCM for Automotive Coatings**
- **Questions/Open Discussion**

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Background

- Local districts regulate VOC emissions from automotive coatings
- Twenty districts have local rules
- Fifteen districts have National Rule VOC limits

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Background

- ARB has oversight authority
- Provides technical assistance -

  Developed the SCM
- SCM serves as a model rule for districts

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SCM Objectives:

- Protect public health by reducing VOC emissions
- Increase consistency among district rules
- Improve rule enforceability

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Overview of SCM Proposal

- Combines Group I and Group II VOC limits
- Eliminates the composite VOC limit for multistage systems
- Combines coating categories
- Replaces specialty coatings categories with specific categories

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Overview of SCM Proposal (continued)

- Establishes VOC limits based on available technology
- Establishes prohibition of possession
- Lowers the VOC limit for solvents used in cleaning operations to 25 grams per liter
- Simplifies recordkeeping
- Improves labeling

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Proposed Coating Categories

Existing Coating Category	*Proposed Coating Category*
Pretreatment Wash Primer	**Pretreatment Coating**
Adhesion Promoter Plastic Primer	**Adhesion Promoter**
Precoat Primer Primer Surfacer Primer Sealer Flexible Primers	**Primer**

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Proposed Coating Categories (continued)

Existing Coating Category	*Proposed Coating Category*
Multi-stage Topcoat System (color portion) Camouflage	→ **Color Coating**
Multi-colored	→ **Multi-Color Coating**
Uniform Finish Coating	→ **Uniform Finish Coating**

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Proposed Coating Categories (continued)

Existing Coating Category	*Proposed Coating Category*
Multi-stage Topcoat System (clear portion) Multi-colored Multi-Stage (clear portion) Elastomeric Clears	→ **Clear Coating**
Topcoat Single-Stage Coating Metallic/Irridescent Topcoat	→ **Single-Stage Coating**
Truck Bed Liner Coating	→ **Truck Bed Liner Coating**

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Proposed Coating Categories (continued)

Existing Coating Category		*Proposed Coating Category*
Temporary Protective	→	**Temporary Protective Coating**
Rubberized Asphaltic Underbody	→	**Underbody Coating**
Anti-Glare Safety Coatings Impact Resistant Coatings Water Holdout Coatings Weld Thru Coatings Bright Metal Trim Repair	→	**Any Other Coating Type**

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Proposed VOC limits effective 1/1/09

Coating Category	*proposed VOC limit*	current SC VOC limit
Adhesion Promoter	540 *	840
Clear Coating	250	250
Color Coating	420	760
Multi-color Coating	680	685
Pretreatment Coating	660 *	780
Primer	250	250/340
Single-Stage Coating	340	340
Temporary Protective Coating	60	NA
Truck Bed Liner Coating	310	420
Underbody Coating	430	840
Uniform Finish Coating	540	840
Any Other Coating Type	250	NA

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Benefits of the Proposed SCM

- Total estimated emissions from this category are 20.7 tons per day

- Preliminary estimates indicate the proposed SCM would reduce emissions by 13 tons per day

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Potential Impacts on Body Shops

- Use lower VOC Coatings (possibly water-borne color)
- Train Paint Technicians
- Air Movement and Heating Equipment

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Potential Cost Impacts

- Total annual cost of the proposed SCM:
  $14 million
- Average annual cost:
  - **$3,400 (refinishing facilities)**
  - **320,000 (manufacturers)**
- Cost Effectiveness: $ 1.43 per pound of VOC reduced

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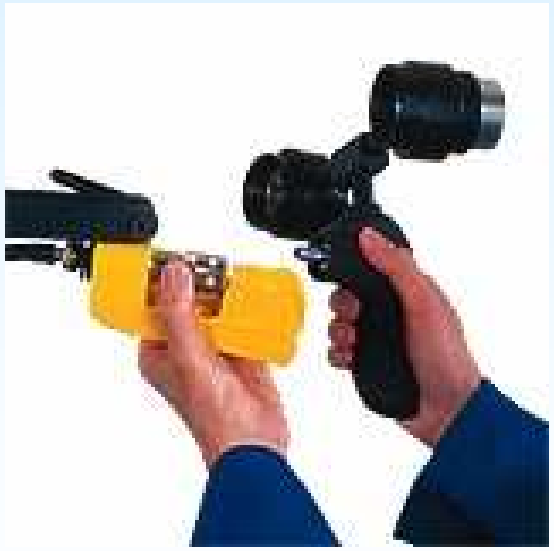
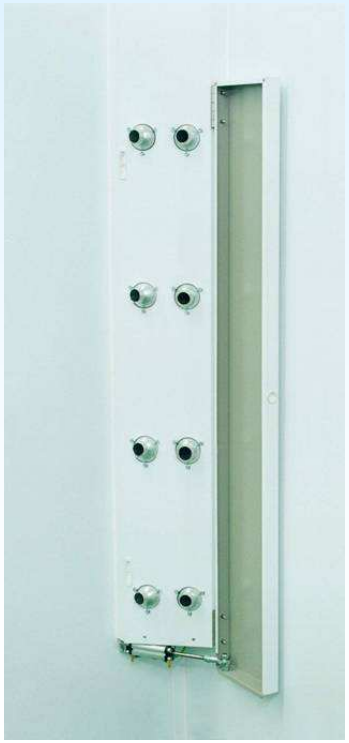
Air Movement Systems





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Changes since Staff Report:

- Revised potential cancer risk estimate from TBAC: 7.6 cases per million
  - **(3.8 potential cancer cases per million if waterborne color coatings are used)**

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Schedule

- October 21, 2005: Board Meeting Date
- Comments Due to Clerk of the Board by 12:00 p.m. on 10/19/05

Comments Should be sent to:

Clerk of the Board
Air Resources Board
1001 I Street, 23rd Floor
Sacramento, CA 95814

Electronic mail: autocoat@listserv.arb.ca.gov

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QUESTIONS?